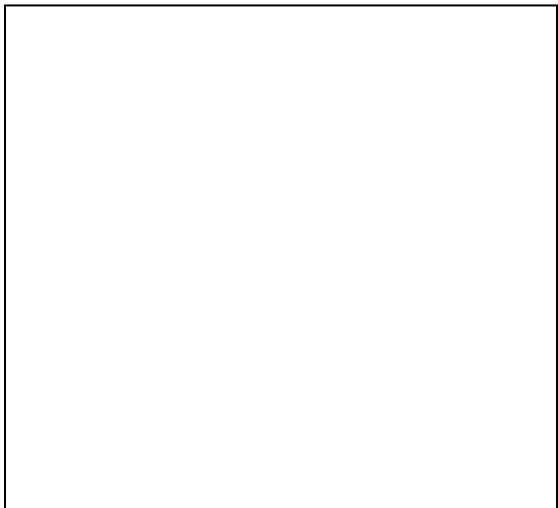


Name _____ Period _____

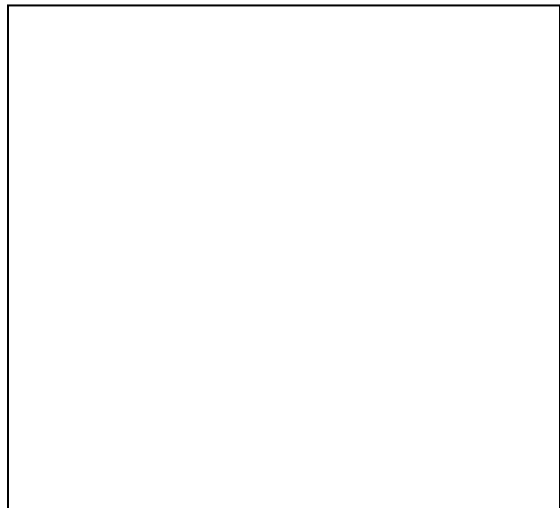
Stomatal Unit Model

Directions:

1. Get dialysis tubing and a plastic cup
2. Partially fill the cup with water
3. Submerge the dialysis tubing in the water and open it by rubbing it between your fingers
4. Fold the “membranes” in half with the open ends facing up
5. Fill the wash bottle with the green sugar solution until both halves are about 2/3 full
6. Twist the open ends around each other to take up any slack
7. Tie the string tightly around the membranes at the point where the twisted part meets the green sugar solution
8. Rinse off the membranes to remove excess sugar solution
9. Lay your membranes in your plastic cups and position them so that they look like those shown in Figure 10.6 (pg 125)
10. Draw what your membranes look like before and after they have been sitting in water for the period
11. Answer the questions below



DRAWING BEFORE



DRAWING AFTER

What happens to the guard cells when they fill with water?

What is the opening that is created called?